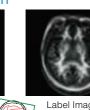
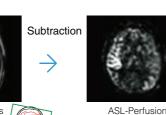
Application

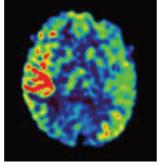
lications increasing the value of MRI result for the diagnosis



ASL-Perfusion**

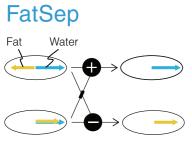




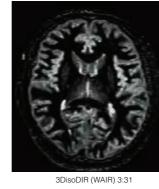








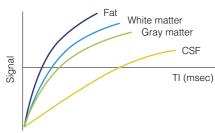




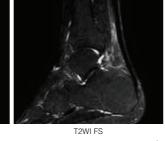
MultiContrastScan











TI of tissues

All Around **RADAR***







Applicable with RAPID,

high-speed imaging

technology



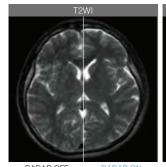


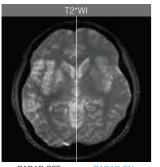
Applicable with brain routine exams

*RADial Acquisition Regime

No limitation in coil/

oblique











RADAR OFF

RADAR ON (w/o gating)

FUJIFILM PAKISTAN (PVT) LTD.

info@fujifilm.com.pk www.fujifilm.com.pk

Hyderabad: 022-2787277 Sukkur: 071-5628211

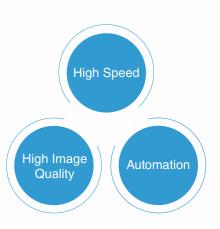
Faisalabad: 041-8548153 Multan: 061-4543472 / 4545106

Sargodha: 048-3768410 Sahiwal: 0404-226375

Karachi: 021-34535502-5 Lahore: 042-37237704-5 / 37358496 Rawalpindi: 051-5130296-98 Peshawar: 091-5278911/5261394 Rahim Yar Khan: 068-5877151 Gujranwala: 055-3856479

Quetta: 0312-3482036 Gujrat: 053-3515415 Swat: 0946-721433





ECHELON Smart with SynergyDrive



Synergy Drive Optimized Workflow

IP-RAPID × REALISE Plus

Value by SynergyDrive

"Pluses" made possible by the high-speed and high-image quality solution.

IP-RAPID × REALISE Plus provide a "Plus" in Speed and Visibility.

A variety of Pluses that can be freely selected according to the exam situation improving the quality of exams.

SynergyDrive:

High Speed

Speed Plus with IP-RAPID

Shortens the scan time while maintaining image quality by optimizing undersampling and iterative reconstruction.

Shortened imaging time ensures time for Plus One Scan.

For your easier diagnosis.



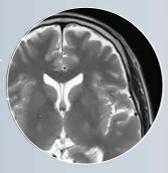
High Image Quality

Visibility Plus with REALISE Plus

High image quality solution promotes ease of diagnosis.

New denoising methods achieve high image quality with less noise

Reduce radiologist workload



Automation

Flexibility Plus with Auto series

A single click is all you need to start the MRI exam.

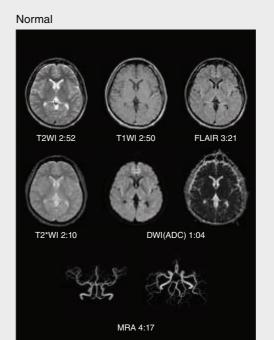
System supports complicate operations to provide extra flexibility.

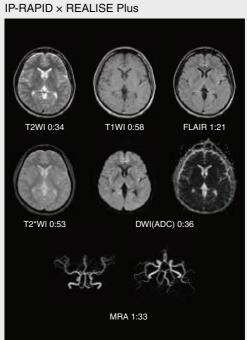
Better patient care



IP-RAPID × REALISE Plus achieves even faster and higher image quality

IP-RAPID high-speed solution merges undersampling and iterative reconstruction to shorten scan time while maintaining image quality.







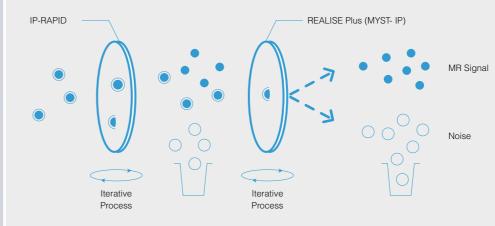
Total ScanTime

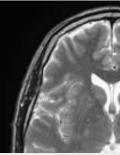
16:34

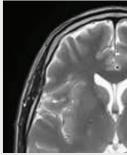
Total ScanTime 5:55

IP-RAPID × REALISE Plus

REALISE Plus is a new noise reduction technology developed for IP-RAPID. REALISE Plus is able to separate noise and signal properly by further searching noise and signal (MYST-IP method) on the noise reduced data by IP-RAPID.



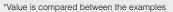




Normal

IP-RAPID × REALISE Plus







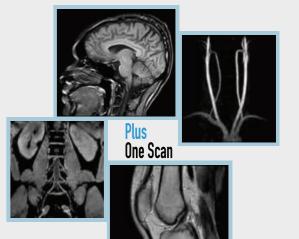
One Scan

Diagnosis information Plus

Thanks to shortened scan time, more scans can be performed within the $\,$

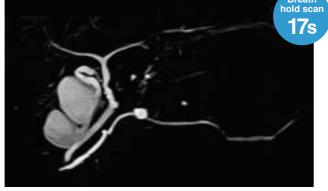








IP RAPID \times REALISE Plus shortens the scan time of conventional time consuming procedures such as respiratory gating scan and navigator measurement, and can be applied to exam with short scan time such as breath-holding scan.



3D MRCP Breath Hold

Varies according to the scan conditions and state of the patient.

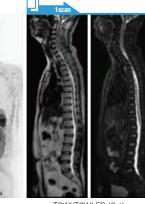


Wide Scan

IP-RAPID × REALISE Plus can be used with a wide variety of scan methods, including multi-contrast scanning, FatSep, and DWI.









High Resolution Scan

IP-RAPID \times REALISE Plus enables to shorten scan time with no compromise image quality, thus high resolution scan enables within the current scan time.









IP-RAPID × REALISE Plus (2D)



 448×448 $0.39 \times 0.39 \times 2.5$ mm ScanTime 2:53



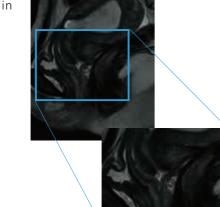
Visibility Plus

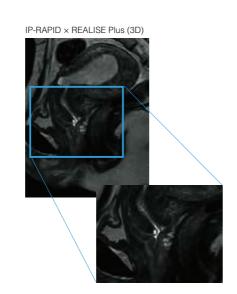
IP-RAPID \times REALISE Plus can be used with wide variety 3D sequences in addition to 2D sequences.



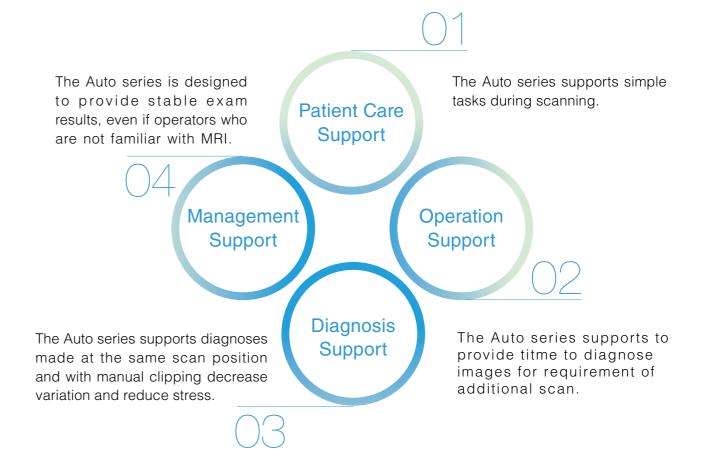


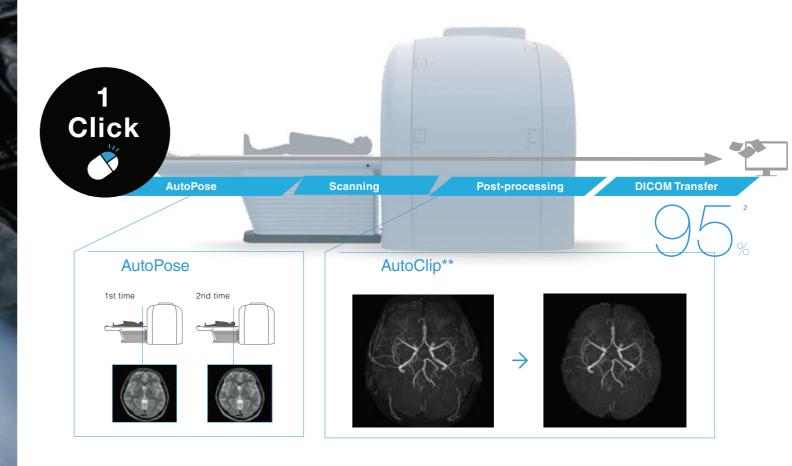






Flexibility Plus with Auto Series





SmartCOMFORT

Designed in consideration with everyone involved in the MRI examination to provide space of "Comfort"

Workflow Coil System

Receiver coils are easily set and deliver high image quality

A design focused on ease of use while maintaining high image quality, reduces exam time by eliminating the need for coil replacement.



OpenHead coil

Open space Plus



Free-breathing scan

Free-breathing examination Plus



SoftSoundSuite

The comfort of silence in diagnosis Plus



Workflow Coil System

[Head & Neck / Spine coil]
Head&Neck coil



[Flex Body coil]







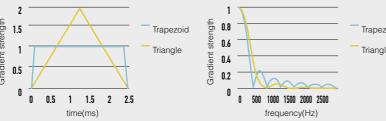
FUJIFILM SoftSound technology reduces the impact on image contrast and scan time.

The characteristics of the MRI sound varies depending on the waveform of the gradient magnetic field pulse.

SmartCOMFORT reduces the scan noise with almost no change in scan time, contrast, SNR, or spatial resolution by designing the waveform of the gradient magnetic field pulse.

Principle of scan noise reduction:

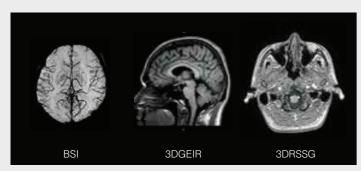
Frequency characteristics change due to waveform changes in the gradient magnetic field.



*Varies according to the scan conditions.

AdvancedSoftSound

Can be also applied to Heavy T2*WI "BSI" and 3D T1 volume scan



SoftSound × RADAR

Gradient waveforms and frequency characteristics

SoftSound can be used in combination with RADAR in areas



System Specifications

ECHELON Smart is equipped with hardware for high-speed and high-performance scan.

High Performance Hardware

Gradient system

Maximum Gradient Strength 33mT/m

Maximum slew rate 130T/m/s

RF system

Maximum RF output 18kW

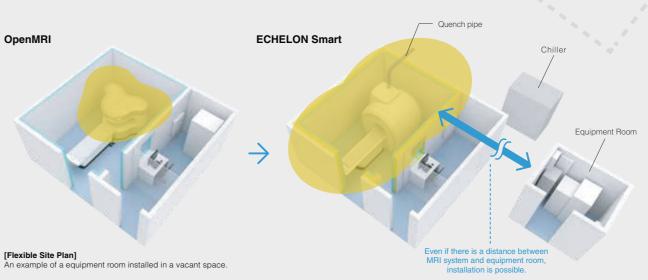
HOSS

High Order Shimming System



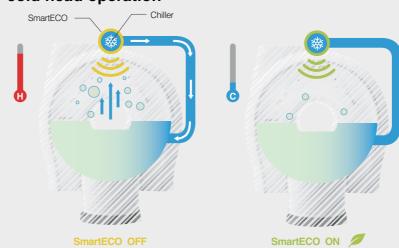
Compact design for greater flexibility in installation

SPACE SAVING %



SmartECO

Effectively reduces power consumption via intermittent cold head operation



/ % LESS

Without SmartECO function

Cold head constantly operating



Zero-boil-off design eliminates liquid helium consumption



HOURS

Improving the uptime through predictive failure diagnosis